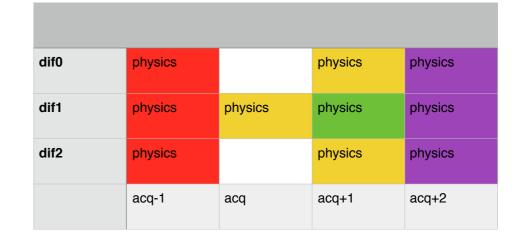
ACQ problems

Kostiantyn Shpak (LLR) 25.03.2016

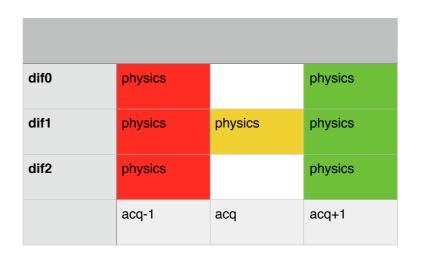
ACQ problem Services in 1 or 2 DIFs ACQ->ACQ+1 and loosing of correct physics in ACQ+1 in same DIFs

dif0	physics	physics	physics	physics
dif1	physics	physics	physics	physics
dif2	physics		physics	physics
	acq-1	acq	acq+1	acq+2

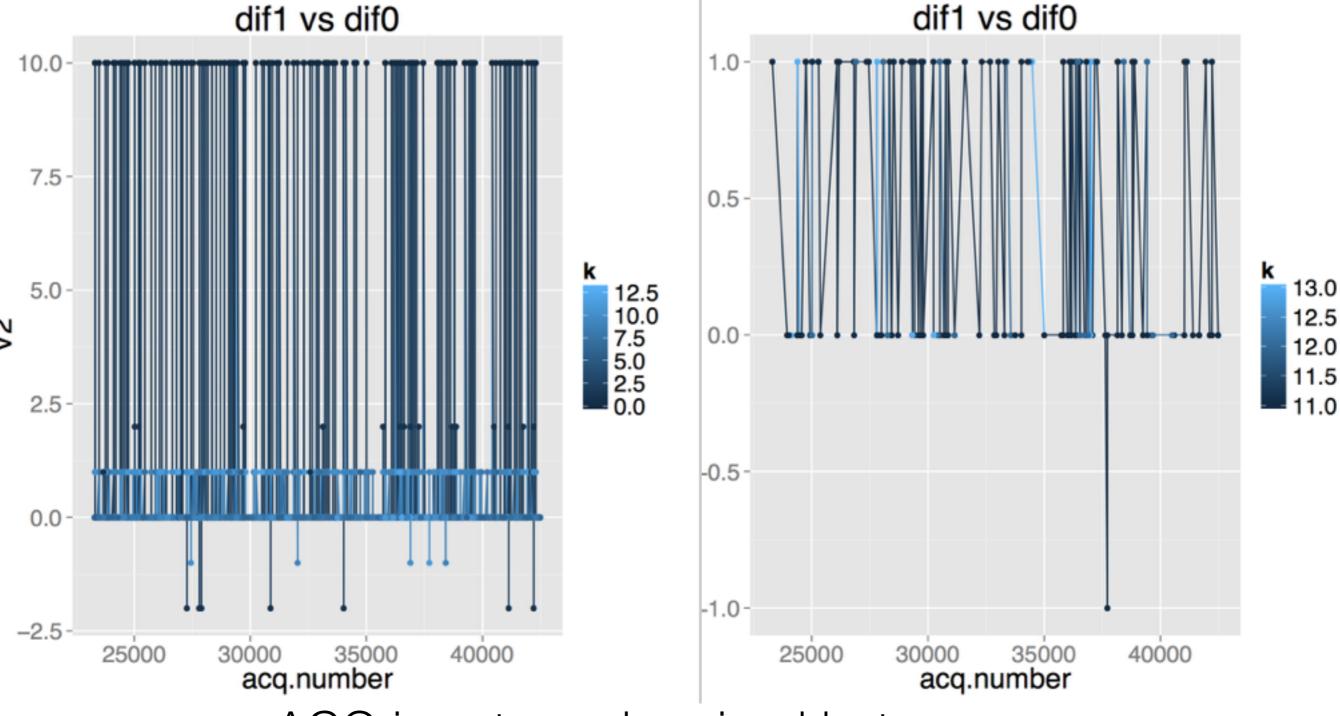


Problem 2: loosing of correct physics in 1 or 2 DIFs

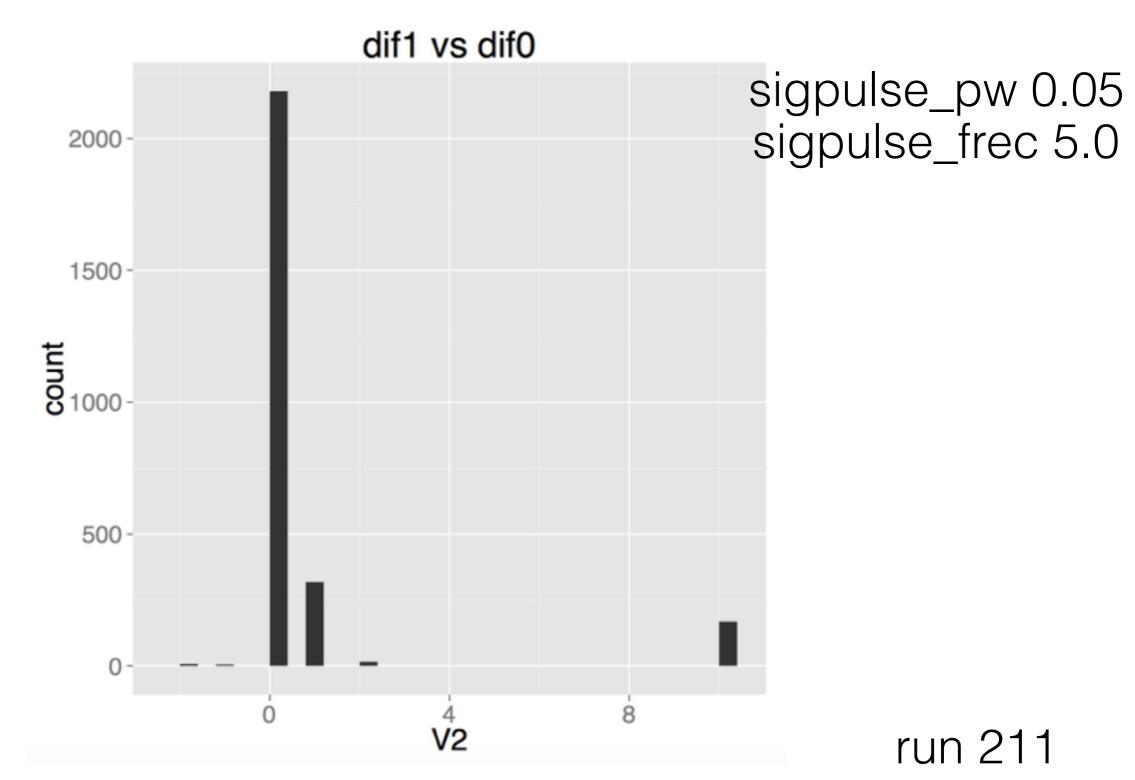
dif0	physics	physics	physics
dif1	physics	physics	physics
dif2	physics		physics
	acq-1	acq	acq+1



run 211 Mostly problem1

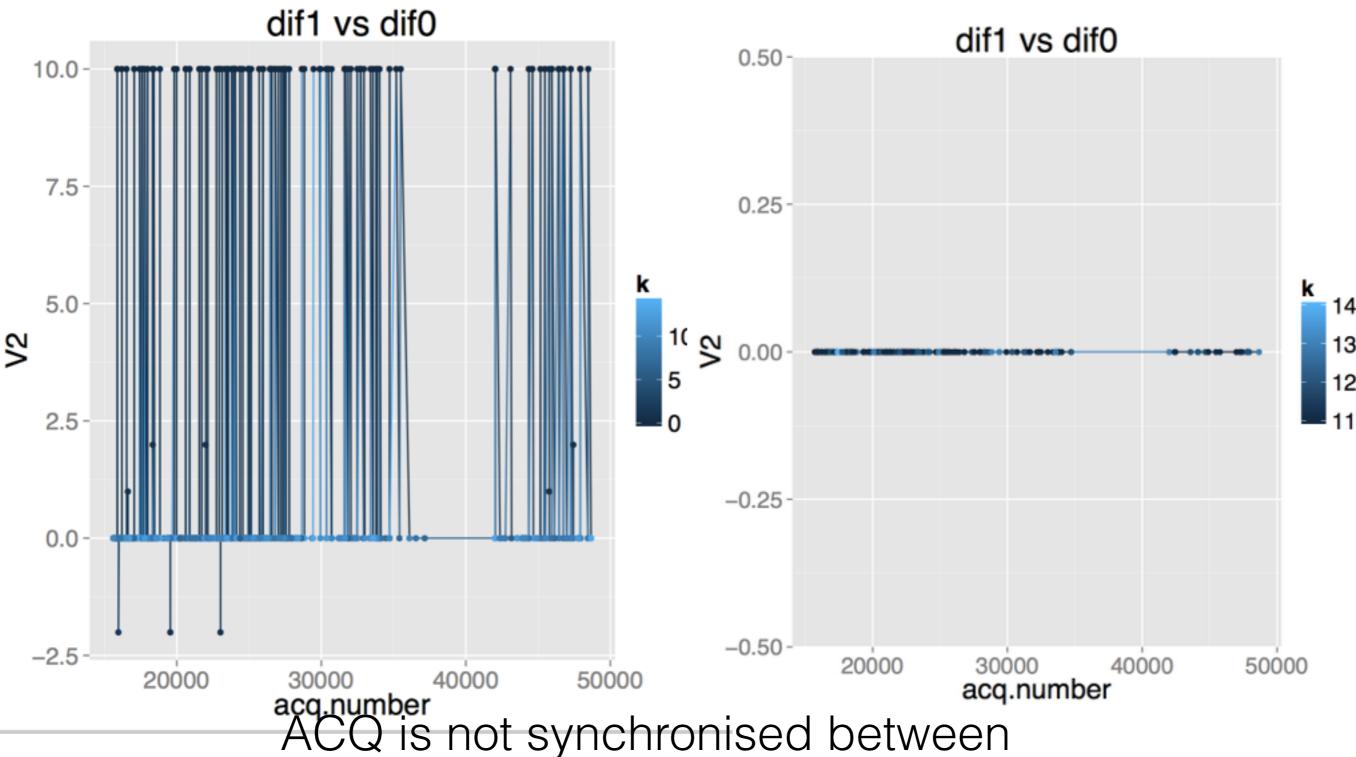


ACQ is not synchronised between 2 consecutive ACQ numbers

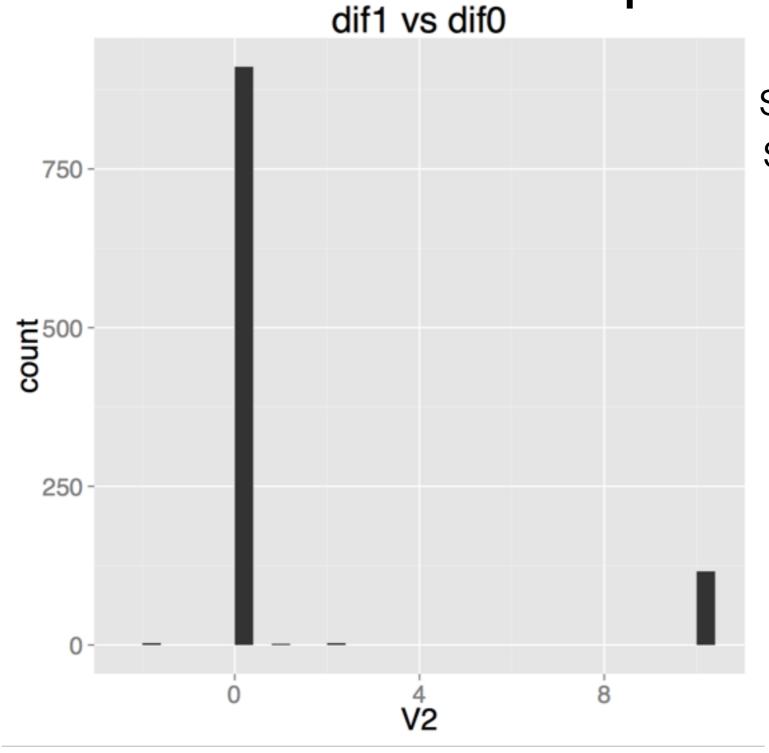


run 114

Mostly problem2



ACQ is not synchronised between 2 consecutive ACQ numbers



sigpulse_pw 0.01 sigpulse_frec 2.0

 Explanation: reading of new ACQ+1 starts before official end of ACQ

```
12d 137 135 1134 12e 1149 131 132 135 132 136 133 139 137 134 131 132 1150 133 135 135 137 134 141 140 137 131 139 139 134 13e 13d 13c 13d 140 144 14 125 122 124 11d 129 120 11e 12a 126 129 127 129 120 11e3 120 128 126 127 135 132 12a 132 130 131 12e 132 131 131 12e 12e 12b 12f 130 137 12f 135 132 12f 134 135 12e 138 13b 134 13a 128 13b 132 126 114 120 12c 123 125 12 128 12d 128 11d 124 127 122 11e 112 129 125 11f 12a 129 11f 12d 125 121 12 132 1129 131 131 12d 12b 130 1129 12b 134 1134 131 130 132 134 12e 12f 12d New spill start found instead of spill end: fffc 0 65f0 5053 4c49 2020 Acquisition number: 26096 chip start found: fffd ff01 4843 5049 2020 ength = 1935 chip start found: fffd ff01 2020 2020 length = 1935
```

Data corruption

- Regardless absence or presence physics in the spill DIF should count every spill (every ACQ number) one by one: in the raw files there are missing spills
- For example:

```
some DIF1 ACQ nubers: .... 24985,24987,24989,24990,24991,24993,24994,2499 7,24999,25001....
```

No any indication of the problem